FIXED SUBSCRIBER STATION (E.G., TELEPHONE)

± %

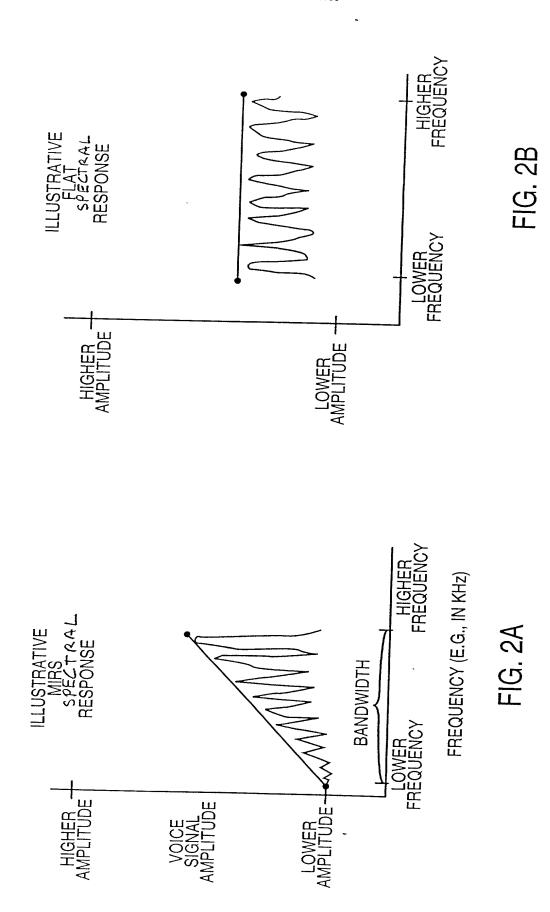
ANALOG LOCAL LOOP (123)

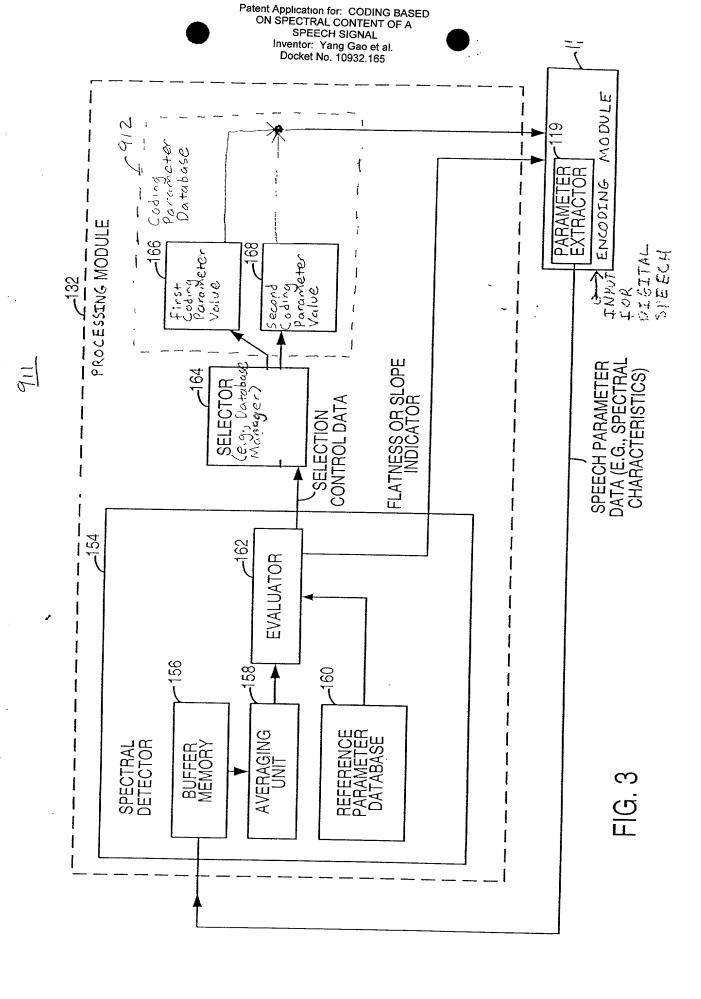
House Start Short

the first that the man death

. . .

Patent Application for: CODING BASED ON SPECTRAL CONTENT OF A SPEECH SIGNAL Inventor: Yang Gao et al. Docket No. 10932.165





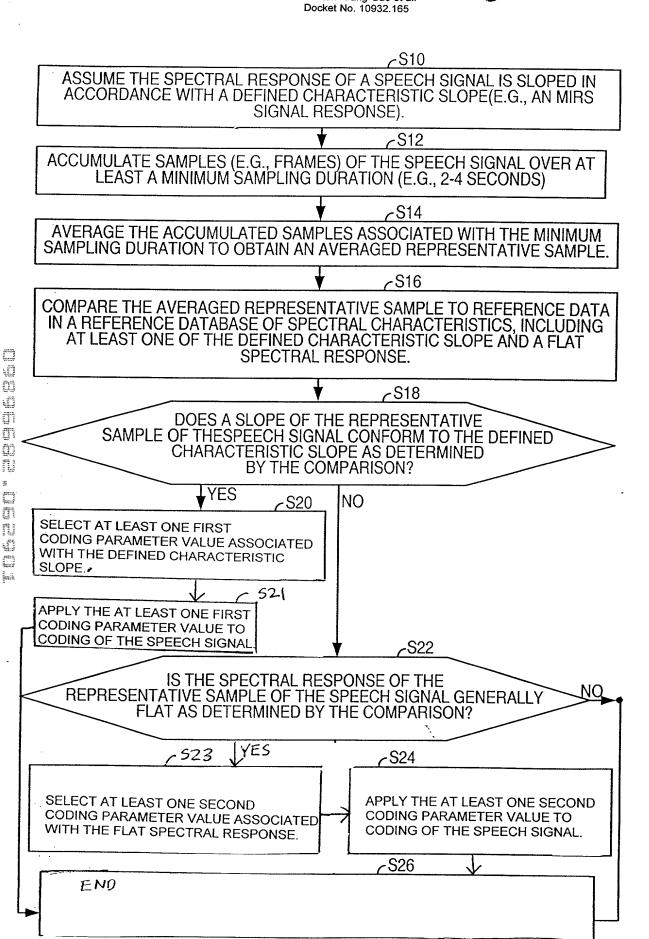
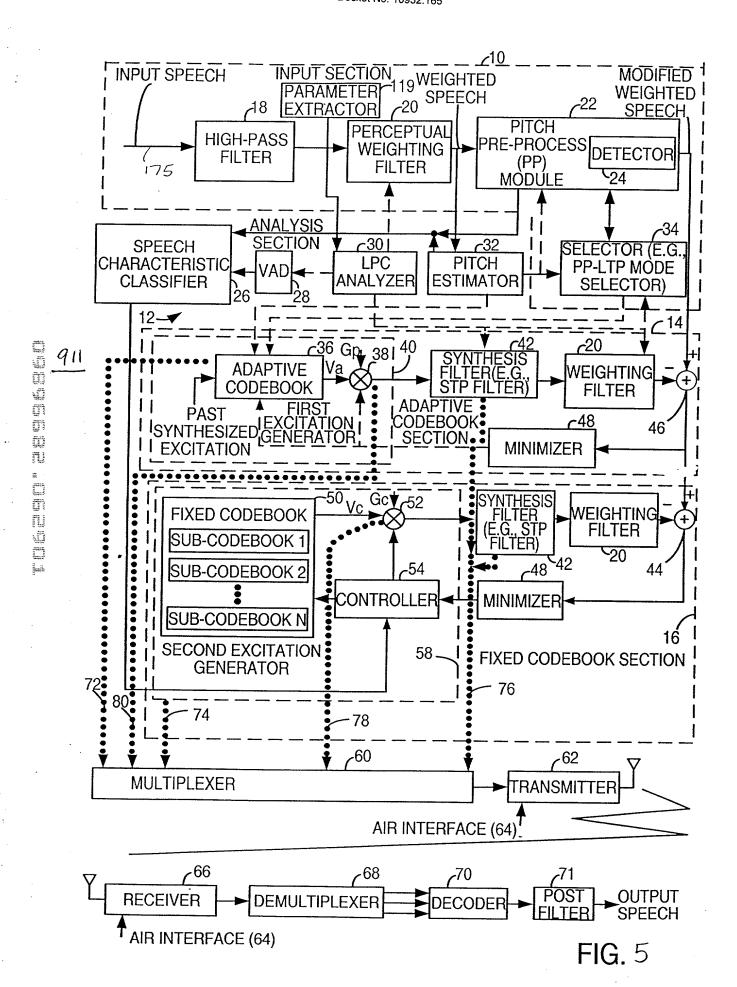
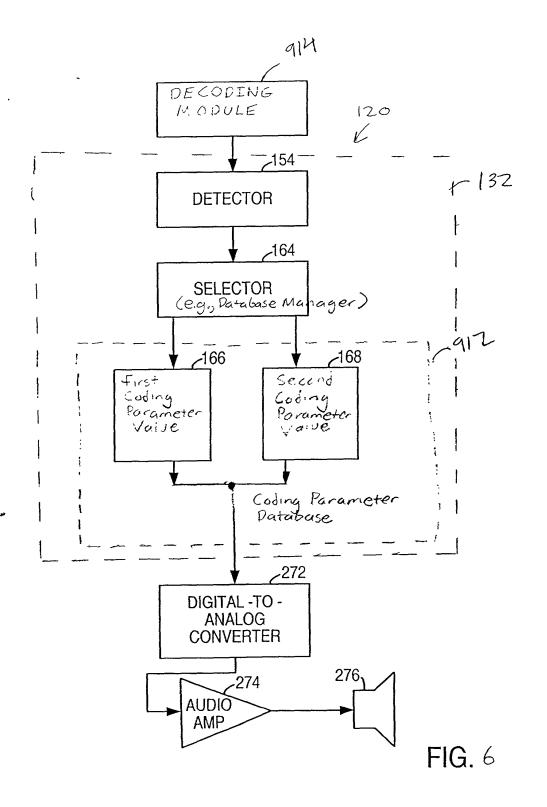


FIG. 4



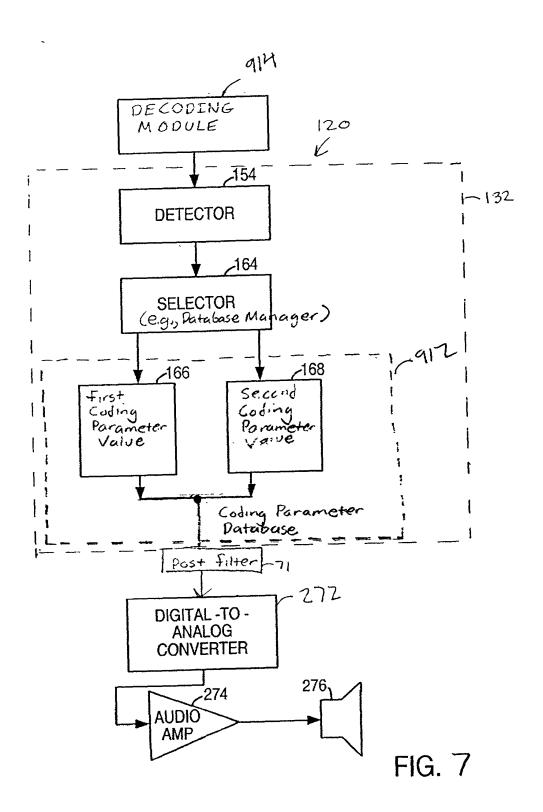
Patent Application for: CODING BASED
ON SPECTRAL CONTENT OF A
SPEECH SIGNAL
Inventor: Yang Gao et al.
Docket No. 10932.165



The first test that the

Patent Application for: CODING BASED ON SPECTRAL CONTENT OF A SPEECH SIGNAL Inventor: Yang Gao et al.

Inventor: Yang Gao et al. Docket No. 10932.165



Patent Application for COUING BASED
ON SPECTRAL CONTENT OF A
Inventor: Yang Gao et al.
Docket No. 10932.165

<u>0</u>

## Patent Application for: CODING BASED ON SPECTRAL CONTENT OF A SPEECH SIGNAL Inventor: Yang Gao et al.

Docket No. 10932.165

## FIG. 9

5100 ESTIMATE THE SPECTRAL CONTENT OF A SPEECH SIGNAL. - 5102 SELECT A CODING ALGORITHM FROM AN ASSORTMENT OF CODING ALGORITHMS BASED ON THE ESTIMATED SPECTRAL CONTENT OF THE SPEECH SIGNAL. 5104

CODE THE SPEECH SIGNAL IN ACCORDANCE WITH THE SELECTED CODING ALGORITHM, WHERE THE SELECTED ALGORITHM MAY CONTROL THE OPERATION OF AT LEAST ONE OF A PREPROCESSING FILTER, A POST-PROCESSING FILTER, A WEIGHTING FILTER, A SYNTHESIS FILTER, A CODING CONTROL COEFFICIENT, AND A QUANTIZATION TABLE.

Patent Application for: CODING BASED ON SPECTRAL CONTENT OF A SPEECH SIGNAL Inventor: Yang Gao et al. Docket No. 10932.165

## FIG. 10

ESTIMATE THE SPECTRAL CONTENT OF A SPEECH SIGNAL.

S106

VARY AT LEAST ONE CODING PARAMETER BASED ON THE ESTIMATED SPECTRAL CONTENT OF THE SPEECH SIGNAL.

5108

CODE THE SPEECH SIGNAL IN ACCORDANCE WITH THE VARIED CODING PARAMETER, THE VARIED CODING PARAMETER ASSOCIATED WITH AT LEAST ONE OF A PREPROCESSING FILTER, A POST-PROCESSING FILTER, A WEIGHTING FILTER, A SYNTHESIS FILTER, A CODING CONTROL COEFFICIENT, AND A QUANTIZATION TABLE.